

2 Mount Vernon  
Hamptstead, London  
May 15/66.

My dear Sir, I now forward you the Copy of  
the work for which you favoured me with your  
subscription in 1859. The price to subscribers is  
15/- which is more than was named in the Prospectus  
you received but as the work has received many  
additions since then I feel so well assured that  
you will not complain of the increase price that  
I forbear offering any further explanation.

From the very favourable manner in which  
you referred to my papers in your friendly  
note received in 59 I feel much interested in  
the opinions you will form of the work; &  
if you have any enquiries to make (which  
I cannot help thinking probable) or any  
critical remarks to offer I shall feel much  
pleasure in replying to you. <sup>since the tables were printed I have thought that *Uchynaceae* should go in Table VI.</sup> If my Table  
IV is a natural assemblage of plants your  
view of the affinities of *Ceratophyllum*

will act an important part in the Natural System.

With great respect

Believe me Dear Sir

Yours very truly

B. Clarke

Dr Asa Gray

P.S. I enclose two copies of a small work on Cod Liver Oil (which I have also sent to Dr Torrey) which as it was written some time since contains errors but none of any medical consequence. *Gadus callarias* is (as Dr Gunther of the British Museum says & I have no reason to doubt it) the same as *G. morrhua* the common Cod Fish of England & Newfoundland; & Dr De Jongh's Cod Liver Oil owes its colour no doubt to the heat employed in its manufacture.

As far as I can guess Dr De J's oil owes its superiority to the high northern latitude of the Loffoden Isles & the mode of manufacture, but one would think that the high northern latitude could not have much to do with it.

Dr De Jongh's oil has a very peculiar fishy flavour.

quite different from English Cod Liver Oil but the very best Newfoundland oil is wanting in this & is in fact just like our English Oil - Some oil from Halifax Nova Scotia at the Exhibition of 1862 remained transparent at 30°F. but as well as I can judge it had just the same taste & flavour as our English Oil. <sup>It was quite pale in colour.</sup> Some time since I supposed the peculiar taste of Dr De Jongh's Oil was owing to some adulteration - but I have now no reason whatever to think so.

I am not aware that there are any testimonials from medical men to show that Newfoundland Cod Liver Oil is superior to English Cod Liver Oil which probably would be the case if it were so, & my present conclusion is that the superiority of Dr De Jongh's Oil may be owing entirely to its mode of manufacture.

If you believe my opinion & those of very numerous & most practical medical in England, to be correct, the Americans should be advised to send a Chemist to the Loffoden Isles to learn how the Oil is manufactured there.

I am much interested in this subject because I believe Dr De Jongh's Oil to have been the Providence means of preserving my life as I notice in the Preface; & I hesitate not to assert that Cod Liver Oil pre-

pared by simple expression from the Cod Fish Oil  
in the English market should never be taken  
as a medicine so very inferior is it to the Soft-  
fodder Oil as supplied by Dr. de Jongh, - as far as  
doing any permanent good is concerned I believe  
in many cases it must be really inert.

Dr. de Jongh is stated as you will <sup>see</sup> contain a  
considerable quantity of volatile fatty acid &  
the Pale Oils to contain scarcely any. What this  
is owing to I am at present unable to conjecture. And  
why the taste & smell of Dr. de J's should be so entirely  
different from simply expressed Oil I am also un-  
able to conjecture, but I quite expect that these  
are essential to its superiority over the simply  
expressed oil.

I also enclose some English testimonials on  
the difference in the medical powers of the  
oils which probably you have not seen. Mr.  
Thomson I regard as perfectly true & most  
important. It may seem rather uncharitable  
but I really do suspect that the reason why the Pale  
Oils sell so much in England is because the Chemists  
get a greater profit in selling the Pale Oil. It was the  
Confederate Loan that caused so many of our English  
Newspapers to be of Confederate tendency.

I also enclose a note "On a mode of preventing the ravages of the  
my. fly" which some Agricultural or Gardener's Journal would like to publish perhaps